

THE AUSTRALIAN MINING REVIEW

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IE Enviro **MIST**® **TURN-KEY DUST SUPPRESSION** p55

**MAJOR
PROJECTS
SNAPSHOT:
2018**

NEWS p18



**BULLION
HUNT**

KIRKLAND LAKE
GOLD p30



NEIL MCINTYRE
DIATREME
RESOURCES

THE
INTERVIEW p70



Image: QRC.

THE NEW BLACK

QLD COAL IN REVIEW

No one is calling it a boom just yet – but the QLD coal sector's strong growth over the past year now looks set to continue its upward trajectory through 2018.

FEATURE p20

BEST VALUE SKILLED LABOUR AND EQUIPMENT SOLUTIONS

EMS
GROUP

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New micro-mist tech delivers



RomBin Spray Bars.

ENVIROMIST provides industry leading micro-mist dust suppression solutions, and has won Australian Bulk Handling Awards in 2015 and 2016 for systems developed for a WA iron ore mine and a Queensland underground coal mine.

The EnviroMist high-energy micro-mist system is based on new research in the

application of dust control technology.

The techniques used by EnviroMist focus on accurately identifying material properties and flow dynamics, so that a total solution that is effective across the application's full operating range can be developed.

EnviroMist's use of simulation modelling



EnviroMist Pressure Booster Units.

allows efficient and accurate designs to be created, which results in systems producing high dust capture efficiencies without the need for huge water consumption.

In order to reduce fugitive dust emissions, EnviroMist worked with the University of Wollongong to analyse droplet sizes of various dust suppression sprays, leading to

the development of a system that matches energy and droplet size with the size of these dust particles.

This is the optimum solution for eliminating particulate matter of the sizes PM10 and PM2.5, both of which are hazardous to humans due to their ability to be drawn deep into the lungs.

DUST SUPPRESSION COAL AND HARD ROCK MINE APPLICATIONS:

- ROM Bins
- Transfer Points / Chutes
- Crushers
- Conveyors
- Ship Loaders / Unloaders
- Construction Machinery
- Mining Machinery

TURN-KEY PROJECTS TO CLIENT'S SPECIFICATION:

- System Design & Simulation
- Dust Flow Analysis
- Dust PSD Analysis
- Purpose Built Spray Nozzles
- Pressure Booster Units
- Installation
- System Commissioning

EnviroMIST®
Micro Mist • Macro Solutions

W: www.enviro-mist.com.au T: (07) 3366 8558
E: info@enviro-mist.com.au M: 0408 677 889

